

Yorkshire Dales National Park

Forecast valid from 00:00 on Tuesday 19 Sep 2023 until 23:59 on Wednesday 20 Sep 2023
Forecast Issued on Monday 18 Sep 2023 at 13:48

Confidence: Moderate to high confidence for the generally changeable and autumnal feel. Moderate confidence in heaviest rainfall midweek, and details of more showery end to the working week.

Headline for Tuesday 19 Sep 2023: Wet and windy.

Mountain weather hazards on Tuesday 19 Sep 2023

Blizzards No Likelihood	Heavy persistent snow No Likelihood	Storm force winds Low Likelihood
Gales High Likelihood	Severe chill effect Low Likelihood	Poor visibility High Likelihood
Thunderstorms No Likelihood	Heavy persistent rain High Likelihood	Strong sunlight No Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
							
Heavy rain showers (night)	Heavy Rain	Heavy Rain	Heavy Rain	Heavy Rain	Heavy Rain	Light rain	Light rain
Precipitation probability							
60%	90%	90%	90%	90%	90%	60%	60%

Forecast for Tuesday 19 Sep 2023

Weather: Cloud rapidly thickening and descending, with gales over exposed ground bringing in driving rain through the morning. Remaining extensively cloudy and windy through the afternoon. The rain should ease for a time late in the day, with the driest conditions for the day as a whole then likely in the east into the evening. More general rain perhaps returning towards midnight.

Chance of cloud-free hill tops above 600m: Near nil, perhaps 40% in the east late in the afternoon.

Low Cloud and visibility: Extensive and persistent down to 500 metres on windward ground, with ragged cloud below this at times. Perhaps lifting narrowly clear of all but the highest tops in the east later in the afternoon.

Forecast for Tuesday 19 Sep 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	20/30 SW	21/33 SW	21/30 S	36/52 SW	27/39 SW	31/45 SW	31/46 SW	32/49 SW	31/47 SW
300	13/28 SW	14/30 W	11/26 S	25/49 SW	19/37 SW	21/42 SW	22/44 SW	22/44 SW	20/43 SW
Valley	8/22 W	11/27 SW	8/23 S	22/47 SW	17/34 SW	15/35 SW	20/42 SW	20/43 SW	20/44 SW

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	7/2	7/3	7/2	12/6	12/8	12/8	12/8	12/7	13/8
300	9/6	9/6	9/6	14/10	14/11	14/11	14/11	14/11	15/11
Valley	10/9	11/8	10/9	15/11	16/13	15/13	16/12	16/12	16/12
Freezing Level*	1500m	1600m	2300m	2700m	3000m	2900m	2500m	2800m	3100m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

Strong winds at even modest elevation coupled with rivers in spate and extensive low cloud mean that activities are perhaps best confined to lower slopes.

Recent rainfall: measured at Malham: altitude 375m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
14:00 on Mon 18 Sep 2023	10mm	10mm	10mm

Forecast for Wednesday 20 Sep 2023

Weather: Extensively cloudy, wet and very windy during the morning, with the rain then very gradually moving southeast into the afternoon, and with winds gradually easing. Clearer conditions should follow from the northwest into the evening, with late clear spells and a few showers.

Maximum wind: Southwesterly 55mph, gradually easing.

Chance of cloud-free hill tops above 600m: 30% improving 60% later.

Low Cloud and visibility: Extensive over the highest ground, with ragged patches below this. Becoming broken above higher summits through the afternoon.

Temperature: **Valleys:** Plus eleven becoming 18 degrees Celsius.

At 600m: Plus twelve degrees Celsius.

Freezing level: Well above the summits.